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NOTICE OF ALLOWANCE AND FEE(S) DUE

26111

7590

03/06/2009

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005 EXAMINER

ELAHEE, MD S

ART UNIT PAPER NUMBER

2614 DATE MAILED: 03/06/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/901,558	07/10/2001	Raphael Rahamim	2875.0580002	4803

TITLE OF INVENTION: SINGLE ENDED ANALOG FRONT END

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including the delay or directed other than the delay or directed other than the delay of the d	ng the Patent, advance of nerwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	pondence address;	and/or	mailed to the current (b) indicating a sepa	correspon rate "FEE	ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
· ·	7590 03/06 SSLER, GOLDST RK AVENUE, N.W N, DC 20005	EIN & FOX P.L.L		State	eby certify that this s Postal Service wessed to the Mail	s Fee(ith suf Stop	e of Mailing or Trans s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d	g deposited st class ma above, or	il in an envelope being facsimile
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIR	RMATION NO.
09/901,558 TITLE OF INVENTION	07/10/2001 N: SINGLE ENDED ANA	ALOG FRONT END	Raphael Rahamin	ı			2875.0580002		4803
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	(06/08/2009
EXAM	MINER	ART UNIT	CLASS-SUBCLASS						
ELAHE	E, MD S	2614	379-399010						
CFR 1.363). Change of corresp Address form PTO/S "Fee Address" inc PTO/SB/47; Rev 03-t Number is required. 3. ASSIGNEE NAME A PLEASE NOTE: Un	AND RESIDENCE DATA	nge of Correspondence "Indication form led. Use of a Customer A TO BE PRINTED ON ' ified below, no assignee	data will appear on th	nativesingles or a strong attor I be I be I be reparted to the parted to	ely, firm (having as a gent) and the nameneys or agents. If norinted. e) tent. If an assigneether,	memb es of u no nam	er a 2 p to le is 3	ocument h	uas been filed for
(A) NAME OF ASSI	riate assignee category or	categories (will not be pr	(B) RESIDENCE: (C	TTY	and STATE OR C	rporati	on or other private gro	1 ,	
4a. The following fee(s) are submitted: ☐ Issue Fee ☐ Publication Fee (No small entity discount permitted) ☐ Advance Order - # of Copies			 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) A check is enclosed. Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form). 						
a. Applicant claim NOTE: The Issue Fee ar	atus (from status indicated ns SMALL ENTITY statu nd Publication Fee (if requ	us. See 37 CFR 1.27.	d from anyone other th	-	_		ΓΙΤΥ status. See 37 Cl attorney or agent; or th		
interest as shown by the	records of the United Sta	tes Patent and Trademark	Office.						1 7
Authorized Signature	,				Date				
Typed or printed name					Registration N	o			
an application. Confiden	nation is required by 37 C ntiality is governed by 35 id application form to the cions for reducing this bur Virginia 22313-1450. DC 313-1450.	U.S.C. 122 and 37 CFR	1.14. This collection is	s esti	mated to take 12 n	ninutes	to complete, including	ig gatherin	g, preparing, and

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STERNE, KESSI	LER, GOLDSTEIN	ELAHEE, MD S				
1100 NEW YORK	- /	ART UNIT	PAPER NUMBER			
WASHINGTON, DC 20005			2614			
		DATE MAILED: 03/06/2009				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 570 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 570 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	09/901,558	RAHAMIM ET AL.	
Notice of Allowability	Examiner	Art Unit	
	 MD S. ELAHEE	2614	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPLY of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 12/05/2008.	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	in this application. If not included nunication will be mailed in due course. TF	
2. X The allowed claim(s) is/are 59,67-71,77,84-88,94,95,97-10	00 and 111-137.		
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	been received. been received in Applicat	ion No	ne
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm	IENT of this application.		
INFORMAL PATENT APPLICATION (PTO-152) which give 5. CORRECTED DRAWINGS (as "replacement sheets") mus	es reason(s) why the oath		
(a) ☐ including changes required by the Notice of Draftspers		ew (PTO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	•	(1,7,5,5,7,5,5,5,5,5,5,5,5,5,5,5,5,5,5,5,	
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	s Amendment / Comment	the drawings in the front (not the back) of	
DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	TERIAL must be submitted. Note the	
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 12/05/2008 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Paper No 7. ☐ Examiner'	nformal Patent Application Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowance	

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DETAILED ACTION

This case has been transferred from Examiner Ramnandan Singh to Examiner Alam Elahee.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Robert Sokohl 02/24/2009.

In claim 94, line 2, after "comprising:" add -- receiving first information, comprising:--.

In claim 94, line 3, after "line" add -- , where the differential input signal includes the first information--.

In claim 94, line 5, after "signal;" add -- and--.

In claim 94, line 6, after "signal;" add -- and--.

In claim 94, line 7, before "filtering" add -- transmitting second information, comprising:--.

In claim 94, line 7, after "signal" add -- ,wherein the single-ended output signal includes the second information--.

In claim 95, line 1, after "comprising" delete -- filtering and--.

Claim 96 was cancelled.

In claim 97, line 1, after "The method of claim 96" was changed to -- The method of claim 94--.

In claim 133, line 1, after "94," add -- wherein the receiving first information step--.

In claim 136, line 1, after "94," add -- wherein the receiving first information step--.

Reasons for Allowance

2. Claims 59,67-71,77,84-88,94,95,97-100 and 111-137 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

The specification supports the amendment. The reason for allowance has already been written in the previous office action mailed on 04/04/2008.

New search updates reveal no other prior art which teaches the limitations in the context of the claims.

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Any comments considered necessary by applicant must be submitted no later then the

payment the issue fee and, to avoid processing delays, should preferably accompany the issue

fee. Such submissions should clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MD S. ELAHEE whose telephone number is (571)272-7536.

The examiner can normally be reached on Mon to Fri from 9:00am to 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Fan Tsang can be reached on (571) 272-7547. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/MD S ELAHEE/

MD SHAFIUL ALAM ELAHEE

Primary Examiner, Art Unit 2614

March 6, 2009